

## CLAIMS

What is claimed is:

1. A method of preventing an unauthorized use of a virtual compact disc (CD) image file utilizing a virtual CD program through which the virtual CD image file stored in a computer is read in a reproducible state, comprising:
  - temporarily storing an identification of a user computer within the virtual CD program when the virtual CD program is executed;
  - accessing a server supplying a predetermined virtual CD image file through the user computer;
  - allowing the user to download the virtual CD image file supplied from the sever into the user computer;
  - storing the identification temporarily stored within the virtual CD program in the downloaded virtual CD image file;
  - comparing the identification temporarily stored within the virtual CD program with the identification stored in the virtual CD image file when the downloaded virtual CD image file is selected to be reproduced; and
  - interrupting reading the selected downloaded virtual CD image file through the virtual CD program if the two identifications do not match.
2. The method according to claim 1, wherein the temporarily stored identification is read from a CMOS-RAM of the user computer.
3. The method according to claim 1, wherein the user downloads the virtual CD image file by driving a file transfer protocol (FTP) module within the virtual CD program.
4. The method according to claim 1, wherein the temporarily stored identification is a central processing unit (CPU) number.
5. The method according to claim 1, wherein the allowing of the user to download the virtual CD image file further comprises requesting the user to enter an authentication number to determine whether the user is authorized to use the virtual CD image file when downloading the virtual CD image file.

6. The method according to claim 1, further comprising receiving a CD key transmitted from the server, the CD key being required for using the downloaded virtual CD image file.

7. A method of preventing an unauthorized use of a virtual compact disc (CD) image file utilizing a virtual CD program through which the virtual CD image file stored in a computer is read in a reproducible state, comprising:

storing an identification of a user computer in a predetermined register within the user computer as designated by the virtual CD program when the virtual CD program is installed;

accessing a server supplying a predetermined virtual CD image file through the user computer;

allowing the user to download the virtual CD image file supplied from the sever into the user computer;

storing the identification stored in the registry of the user computer in the downloaded virtual CD image file;

comparing the identification stored in the registry of the user computer with the identification stored in the downloaded virtual CD image file when the downloaded virtual CD image file is selected to be reproduced; and

interrupting reading the selected downloaded virtual CD image file through the virtual CD program if the two identifications do not match.

8. The method according to claim 7, wherein the identification stored in the registry is read from a CMOS-RAM of the user computer.

9. The method according to claim 7, wherein the user downloads the virtual CD image file by driving a file transfer protocol (FTP) module within the virtual CD program.

10. The method according to claim 7, wherein the identification stored in the registry is a central processing unit (CPU) number.

11. The method according to claim 7, wherein the allowing of the user to download the virtual CD image file comprises requesting the user to enter an authentication number to determine whether the user is authorized to use the virtual CD image file when downloading the virtual CD image file.

12. The method according to claim 7, further comprising receiving a CD key transmitted from the server, the CD key being required for using the downloaded virtual CD image file.

13. A networked virtual CD device, comprising:  
a programmed computer processor requiring a virtual CD accessible state tied to the virtual CD and the virtual CD device at a downloading time of the virtual CD, and allowing access to the virtual CD according to the accessible state.

14. The device of claim 13, wherein the programmed computer processor further maintains an identification corresponding to the downloading virtual CD device, stores the maintained identification in the downloaded virtual CD during the downloading, and in response to an access to the downloaded virtual CD, determines the accessible state according to a match between the maintained identification and the identification of the downloaded virtual CD.

15. A method, comprising:  
requiring a virtual CD accessible state tied to the virtual CD and a downloading virtual CD device downloading the virtual CD; and  
allowing access to the virtual CD according to the accessible state.

16. A computer readable storage controlling a virtual medium device according to a process of:  
storing an identification corresponding to the virtual medium device in a downloading authorized virtual medium image file; and  
allowing the authorized virtual medium image file to be only driven in the virtual medium device having the identification during the downloading of the virtual medium image file.